DDI-130-75

MEMORANDUM FOR THE RECORD

SUBJECT : Project SAFE

REFERENCE: MFR dtd 23 Oct 74 fr C/HEB subj. Facility Proposed for Project SAFE

1. The computer evaluation panel of experts requested by Mr. Colby, DCI, has been recommended to include Dr. Richard L. Garwin, IBM; Dr. Carl F. Overhague, MIT; Dr. Harold E. Bamford, NSF; Mr. Benjamin Mittman, Northwestern University; and Dr. Frederick P. Brooks, University of North Carolina. The panel is to review the SAFE concept and reaffirm the feasibility of implementing the system. 25X1

STAT [redacted]

STAT 3. [redacted] has been requested to formalize the facility requirements for Project SAFE. The original estimate of 14,000 square feet was based on a conservative computer equipment layout only. Consideration for administrative office space, maintenance work areas, storage, etc. has increased this requirement to approximately 21,000 square feet for a central facility.

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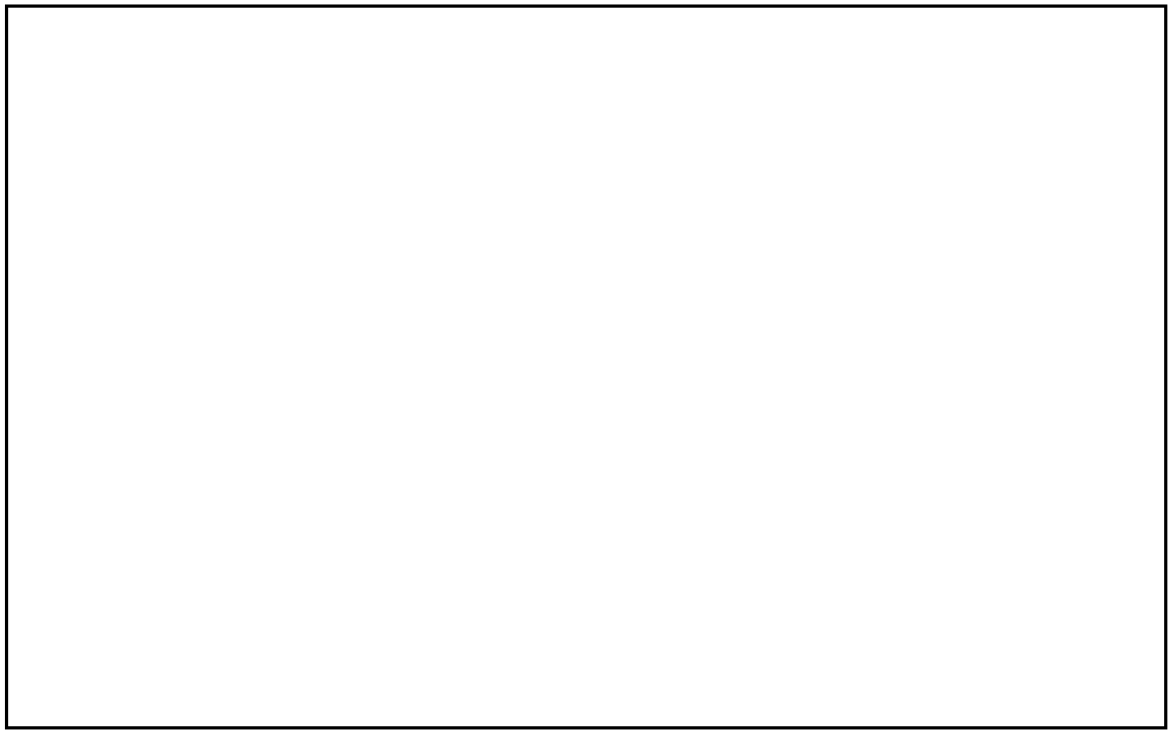

(Six front-end controllers not included)

A centralized microform production facility is also required, presumably outside the SAFE center. In addition, specific final location of the central facility may be less efficient in space utilization due to site geometry and the manner in which the phased contigious areas are related.

4. Applying a reduction factor to this conservative estimate by anticipating optimization of a total machine layout rather than the summation of individual manufacturer's recommended machine clearances, a central facility of perhaps 18,000 - 19,000 square feet is required. Based on the Project SAFE hardware acquisition plan, approximately 8,000 - 9,000 square feet will be required for the nominal first year. Within their timeframe, this space should be available in the April-June 1976 time period. Previous engineering studies have recommended [redacted] of the Headquarters Building [redacted] for the expansion of computer facilities. Future use planning of this area should be considered during interim renovations (in particular, the OWI renovations) which would be negated or which would complicate the layout of future computer facilities. Specifically, the post-ORACLE minimum expansion of OJCS (3,000 square feet through FY-77) and a centralized SAFE facility (18,000 - 19,000 square feet through FY-79) when considered in totality, compete for the floor space presently utilized by OMS or OWI, [redacted] and OTR. In ord

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to make space available within the Headquarters Building in this order of magnitude, a major function or component, yet unidentified, must be relocated to an outlying building.

5. The necessity of a major relocation becomes apparent when considering Project SAFE requirements in the prospective of Project POSEIDEN. Project POSEIDEN is a multipurpose move sequence being designed to accomplish a number of specific office expansions and, in addition, a freeup of as much space as possible for other use. Alternate plans are being revised currently; however, regardless of specific detail, the approximate 7,000 square feet of floor space accumulated is not available until March 1976 and is still scattered throughout the building. Anticipating that Project SAFE will become an operational reality, subsequent planning must address the dual impact of both Project SAFE and the OJCS expansion, which will necessitate a major move rather than a series of incremental move sequences.

6. The available outlying space identified to date consists of:

a. Ames Building - 11,000 square feet

b. Magazine Building - 9,000 square feet

Use of the space in Magazine Building is questionable pending decision as to the course of action to be taken when the lease runs out in November 1975. 25X1

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25X1

[redacted]

9. The 100 remote analyst stations may require small incremental additional space in user areas throughout the building, but initially it is believed that rearrangement of existing space will be adequate. Details concerning the remote sites are too vague to guesstimate the cost of renovation. It would be inconsistent to have a Critically-powered central facility with SAFE operations shutdown at the terminal end due to longer response times required to restore lower classes of electrical power in the event of power failure. As envisoned, the terminal

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end will have low power requirements (data/display consoles and microform readers) and, as such, capacity is available in the north portion of the building. However, the limited Critical power may be taxed if, in the interim, other Critical components move into this area or expand their operations (i.e., [redacted] or the Watch Office expansion). Assuming Critical power is available, only the cost of distribution (less than $100,000) will be required. 25X1

10. The additional capacity of the Data Grid required for Project SAFE is being integrated into the OC plans to expand the Grid in FY-76 and FY-77. The particular requirement for high or low speed transmission lines is indeterminate pending completion of further systems design. This expansion would permit the remote analyst stations to be located in the present user locations (typically northside) negating the need for massive relocation of user components into a stacked array over the SAFE center assuming a southside location.

11. Based on past experience, it would take a minimum of 2 years for the design and award of a construction contract under the auspices of GSA. Typically, an additional year would be required for the actual construction. Assuming facility funds are made available on 1 July 1975, these apparent time requirements are already out of concert with the nominal July 1976 SAFE master plan hardware availability date. STAT

12. For further details regarding this memorandum, please contact the undersigned, SAFE Project Engineer, [redacted] STAT

[redacted]

Project Engineer
Headquarters Engineering Branch, RECD/OL

Att
cc: C/LSD/OL
C/PD/OL
C/ADS/LSD/OL
DC/SAS/CRS

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MEMORANDUM FOR: Harry Eisenbeiss, CRS

Ed Proctor would like you to advise him as to what he should know about this and what problems, if any, it portend for SAFE.

STAT

16 Jan 75
(DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED. (47)

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